

Use Attainability Analysis

for

WBID 0737 Cedar Creek

Submitted by  
SES, Inc.

To  
Missouri Department of Natural Resources  
Water Protection Program

Date Received: September 10, 2007

**Field Data Sheets for Recreation Use Stream Surveys**  
**Data Sheet A - Water Body Identification**  
(For water body being surveyed)

**Water Body Information**

Water Body Name:	Cedar Creek	WBID:	737
8 digit HUC code:	10300102	County:	Callaway and Boone
Upstream Legal Description	49N 11W 3		
Downstream Legal Description	46N 11W 21		
Number of Sites Evaluated	14		
List all site numbers, listed upstream to downstream	14,1,13,11,12,10,8,9,4,5,6,7,3,2		

**Discharger Facility Information**

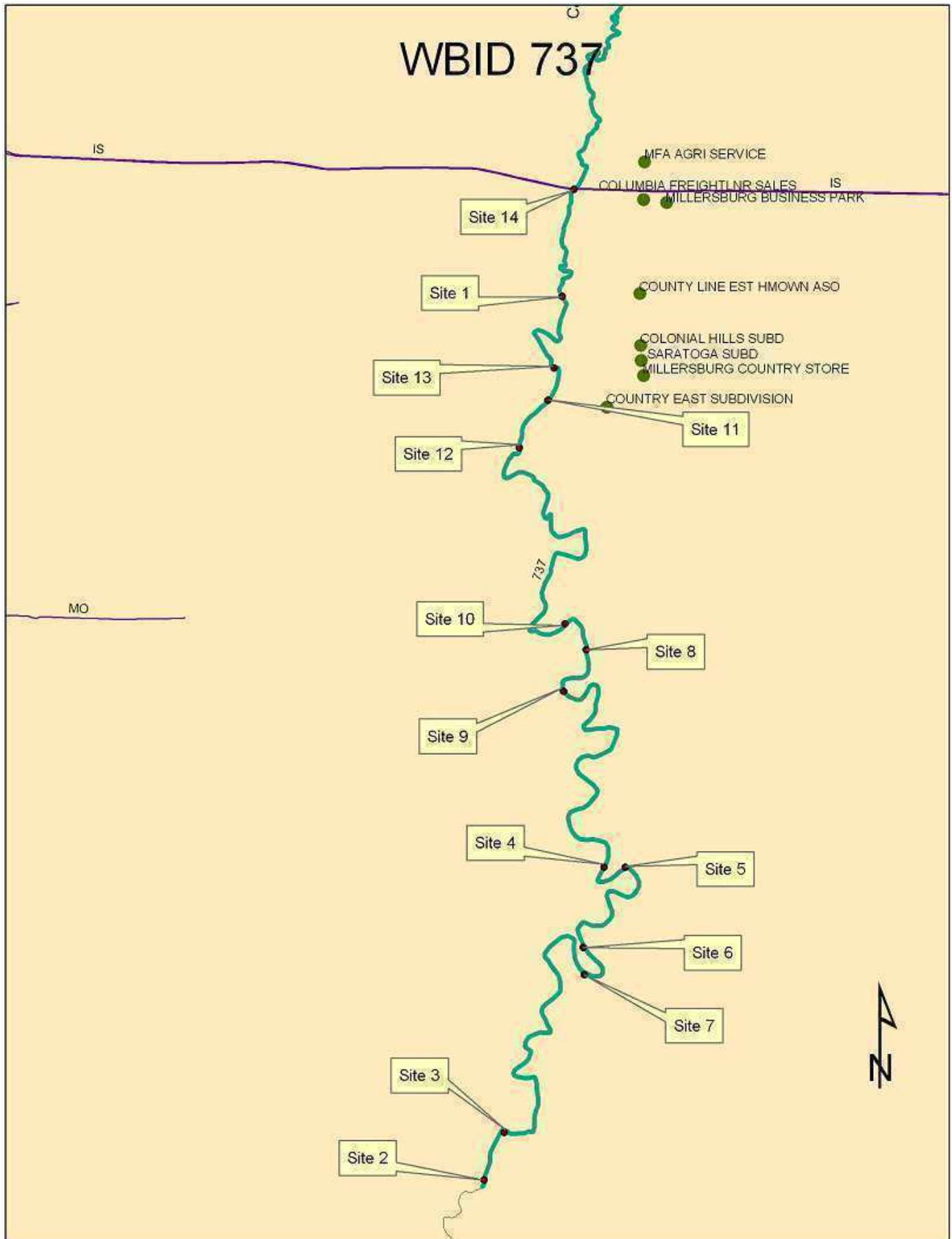
Discharger Facility Name(s):	MFA Agri Service
Discharger Permit Number(s):	MO 0124141

**UAA Surveyor**

Name of Surveyor:	Gilisa Gould	Telephone Number:	913-307-0046
Organization/Employer:	SES, Inc.		
Position:	Field Team Leader		

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# WBID 737



**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                    737  
 Site #                    1

Date and Time:            8/29/2007    1:30 PM

Current Weather Conditions    Partly Cloudy

Weather Conditions for Past 10 days:            0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)                    Dead end of CR 252

GPS Mark:                    76

Upstream Photo                    1                    Downstream Photo                    2

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
<u><b>Wading</b></u>	Rafting	Hunting	Trapping

Fishing                    None of the Above                    **Other:**    **two people with two horses**

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	National Forests
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	<u><b>None of the Above</b></u>	Other	

**Indications of Human Use**

Roads	Rope swings	<u><b>Foot paths/prints</b></u>	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

**WBID #** 737      **Site #** 1  
**Mark #** 76      **Dissolved Oxygen (ppm)** 6.9  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	0				
Run	0				
Pool	100				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no


Substrate:

% Cobble	% Gravel	% Sand	% Silt
61	11	28	0
% Mud/Clay	% Bedrock		
0	0		

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

15%-30% prairie forbs and grasses on one transect all growing out from bank into low water depth areas of channel.

**Water Characteristics**

Odor	Sewage	Musky	Chemical	<u>None</u>	Other
Color	<u>Clear</u>	Green	Gray	Milky	Other
Bottom Deposit	Sludge	<u>Solids</u>	Fine Sed.	None	Other
Surface Deposit	Oil	<u>Scum</u>	Foam	None	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 1

1 Mark #

76

WBID # 737

	Depth (m)
<b>Transect 1</b>	0.05
Substrate:	0.10
Cobble/Sand	0.10
Water Clarity:	0.15
clear	0.25
Channel Feature:	0.30
pool	0.20
Channel Width:	0.15
8 yards	0.05
<b>0.13</b>	0.00
<b>Transect 2</b>	0.00
Substrate:	0.05
Cobble/Sand	0.10
Water Clarity:	0.20
clear	0.25
Channel Feature:	0.30
pool	0.15
Channel Width:	0.05
14 yards	0.05
<b>0.13</b>	0.25
<b>Transect 3</b>	0.00
Substrate:	0.00
Cobble/Gravel	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
13 yards	0.00
<b>0.00</b>	0.00
<b>Transect 4</b>	0.00
Substrate:	0.05
Cobble/Sand	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
19 yards	0.00
<b>0.00</b>	0.00

	Depth (m)
<b>Transect 5</b>	0.05
Substrate:	0.25
Cobble/Gravel	0.00
Water Clarity:	0.00
Scummy	0.00
Channel Feature:	0.00
Pool	0.00
Channel Width:	0.00
20 yards	0.00
<b>0.00</b>	0.00
<b>Transect 6</b>	0.00
Substrate:	0.00
Cobble	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
15 yards	0.00
<b>0.00</b>	0.00
<b>Transect 7</b>	0.00
Substrate:	0.00
Cobble	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
17 yards	0.00
<b>0.00</b>	0.00
<b>Transect 8</b>	0.00
Substrate:	0.00
Cobble	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
19 yards	0.05
<b>0.00</b>	0.20

	Depth (m)
<b>Transect 9</b>	0.00
Substrate:	0.00
Cobble	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
16 yards	0.05
<b>0.00</b>	0.05
<b>Transect 10</b>	0.00
Substrate:	0.00
Cobble/Sand	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
pool	0.10
Channel Width:	0.10
15 yards	0.15
<b>0.00</b>	0.05
<b>Transect 11</b>	0.05
Substrate:	0.15
Cobble/Sand	0.15
Water Clarity:	0.15
clear	0.20
Channel Feature:	0.25
pool	0.20
Channel Width:	0.20
14 yards	0.25
<b>0.18</b>	0.15
<b>Site Median</b>	<b>0.00</b>
<b>Site Maximum</b>	<b>0.30</b>

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    2

Date and Time:            8/29/2007 3:40PM

Current Weather Conditions      Cloudy-Fair

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)    Downstream from Hwy. Y

GPS Mark:                      77

Upstream Photo                      4                      Downstream Photo                      3

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<u><b>National Forests</b></u>
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

**WBID #** 737      **Site #** 2  
**Mark #** 77      **Dissolved Oxygen (ppm)** 7.2  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	0				
Run	0				
Pool	100				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no


Substrate:

% Cobble	% Gravel	% Sand	% Silt
18	35	12	24
% Mud/Clay	% Bedrock		
11	0		

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

70% coverage of algae on substrate. Spike rush, and small willow along banks.

### Water Characteristics

Odor	Sewage	Musky	Chemical	<u><b>None</b></u>	Other
Color	<u><b>Clear</b></u>	<u><b>Green</b></u>	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	<u><b>Fine Sed.</b></u>	None	Other
Surface Deposit	<u><b>Oil</b></u>	<u><b>Scum</b></u>	Foam	None	Other



**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site #

2 Mark #

77

WBID # 737

	Depth (m)
<b>Transect 1</b>	0.00
Substrate:	0.10
Gravel/Sand	0.15
Water Clarity:	0.20
clear	0.25
Channel Feature:	0.30
pool	0.35
Channel Width:	0.45
13 yards	0.50
<b>0.28</b>	0.30
<b>Transect 2</b>	0.00
Substrate:	0.00
Cobble	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
22 yards	0.05
<b>0.00</b>	0.05
<b>Transect 3</b>	0.00
Substrate:	0.00
cobble/gravel	0.00
Water Clarity:	0.00
cloudy	0.00
Channel Feature:	0.00
pool	0.05
Channel Width:	0.00
30 yards	0.00
<b>0.00</b>	0.20
<b>Transect 4</b>	0.20
Substrate:	0.40
cobble/sand	0.20
Water Clarity:	0.10
clear	0.00
Channel Feature:	0.00
pool	0.00
Channel Width:	0.00
33 yards	0.00
<b>0.00</b>	0.00

	Depth (m)
<b>Transect 5</b>	0.45
Substrate:	0.60
Gravel	0.50
Water Clarity:	0.20
clear	0.15
Channel Feature:	0.10
pool	0.05
Channel Width:	0.00
23 yards	0.00
<b>0.13</b>	0.00
<b>Transect 6</b>	0.20
Substrate:	0.35
gravel	0.45
Water Clarity:	0.30
clear	0.30
Channel Feature:	0.30
pool	0.25
Channel Width:	0.20
15 yards	0.15
<b>0.28</b>	0.05
<b>Transect 7</b>	0.05
Substrate:	0.35
Gravel	0.30
Water Clarity:	0.45
clear	0.50
Channel Feature:	0.50
pool	0.50
Channel Width:	0.40
23 yards	0.35
<b>0.38</b>	0.30
<b>Transect 8</b>	0.00
Substrate:	0.05
silt	0.15
Water Clarity:	0.35
cloudy	0.50
Channel Feature:	0.65
pool	0.70
Channel Width:	0.85
24 yards	0.80
<b>0.43</b>	0.35

	Depth (m)
<b>Transect 9</b>	0.05
Substrate:	0.30
Silt/Clay	0.40
Water Clarity:	0.55
cloudy	0.70
Channel Feature:	0.70
pool	0.75
Channel Width:	0.80
28 yards	0.85
<b>0.63</b>	0.30
<b>Transect 10</b>	0.05
Substrate:	0.30
Silt/Clay	0.60
Water Clarity:	0.60
cloudy	0.90
Channel Feature:	1.00
pool	1.00
Channel Width:	1.00
21 yards	1.00
<b>0.95</b>	1.00
<b>Transect 11</b>	0.00
Substrate:	0.10
silt/gravel	0.30
Water Clarity:	0.50
clear	0.55
Channel Feature:	0.70
pool	0.90
Channel Width:	1.00
18 yards	1.00
<b>0.63</b>	1.00
<b>Site Median</b>	<b>Site Maximum</b>
<b>0.30</b>	<b>1.00</b>

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    3

Date and Time:            8/29/2007 4:36pm

Current Weather Conditions      Cloudy/Fair

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      Upstream from Site 2

GPS Mark:                      78

Upstream Photo                      5                      Downstream Photo                      6

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<u><b>National Forests</b></u>
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

**WBID #** 737      **Site #** 3  
**Mark #** 78      **Dissolved Oxygen (ppm)** 7.8  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	0				
Run	0				
Pool	100				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no


Substrate:

% Cobble	% Gravel	% Sand	% Silt
24	29	14	33
% Mud/Clay	% Bedrock		
0	0		

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

Vegetation along banks (small willow, water primrose).

### Water Characteristics

Odor	Sewage	Musky	Chemical	<b><u>None</u></b>	Other
Color	<b><u>Clear</u></b>	<b><u>Green</u></b>	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	<b><u>Fine Sed.</u></b>	None	Other
Surface Deposit	Oil	<b><u>Scum</u></b>	Foam	None	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 3

Mark # 78

WBID # 737

	Depth (m)		Depth (m)		Depth (m)
<b>Transect 1</b>	0.15	<b>Transect 5</b>	0.05	<b>Transect 9</b>	0.05
Substrate:	0.40	Substrate:	0.30	Substrate:	0.35
gravel/silt	0.40	gravel/sand	0.50	silt/sand	0.50
Water Clarity:	0.35	Water Clarity:	0.65	Water Clarity:	0.50
murky	0.30	murky	0.80	murky	0.45
Channel Feature:	0.30	Channel Feature:	0.95	Channel Feature:	0.45
pool	0.25	pool	1.00	pool	0.40
Channel Width:	0.20	Channel Width:	1.00	Channel Width:	0.35
21 yards	0.20	18 yards	1.00	24 yards	0.50
<b>0.28</b>	0.05	<b>0.88</b>	1.00	<b>0.43</b>	0.40
<b>Transect 2</b>	0.15	<b>Transect 6</b>	0.05	<b>Transect 10</b>	0.00
Substrate:	0.55	Substrate:	0.15	Substrate:	0.10
gravel/silt	0.70	cobble/silt	0.30	cobble/silt	0.20
Water Clarity:	0.60	Water Clarity:	0.35	Water Clarity:	0.20
murky	0.55	clear	0.40	murky	0.25
Channel Feature:	0.55	Channel Feature:	0.55	Channel Feature:	0.20
pool	0.50	pool	0.70	pool	0.20
Channel Width:	0.30	Channel Width:	0.85	Channel Width:	0.30
23 yards	0.15	18 yards	0.90	23 yards	0.35
<b>0.53</b>	0.00	<b>0.48</b>	0.55	<b>0.20</b>	0.40
<b>Transect 3</b>	0.10	<b>Transect 7</b>	0.05	<b>Transect 11</b>	0.05
Substrate:	0.30	Substrate:	0.20	Substrate:	0.15
gravel/silt	0.45	cobble	0.00	cobble/gravel	0.20
Water Clarity:	0.65	Water Clarity:	0.00	Water Clarity:	0.15
murky	0.80	clear	0.00	clear	0.10
Channel Feature:	0.90	Channel Feature:	0.00	Channel Feature:	0.05
pool	1.00	pool	0.00	pool	0.00
Channel Width:	1.00	Channel Width:	0.00	Channel Width:	0.00
26 yards	1.00	33 yards	0.10	24 yards	0.05
<b>0.85</b>	1.00	<b>0.00</b>	0.25	<b>0.05</b>	0.00
<b>Transect 4</b>	0.05	<b>Transect 8</b>	0.50		
Substrate:	0.40	Substrate:	0.20	<b>Site Median</b>	<b>Site Maximum</b>
gravel/silt	0.80	cobble/sand	0.00	<b>0.30</b>	<b>1.00</b>
Water Clarity:	1.00	Water Clarity:	0.00		
murky	1.00	clear	0.00		
Channel Feature:	1.00	Channel Feature:	0.00		
pool	1.00	pool	0.00		
Channel Width:	1.00	Channel Width:	0.05		
31 yards	1.00	15 yards	0.10		
<b>1.00</b>	1.00	<b>0.00</b>	0.00		

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    4

Date and Time:            08.29.07      6:05 PM

Current Weather Conditions      cloudy/fair

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      train tressel near Hwy H

GPS Mark:                      79

Upstream Photo                      8                      Downstream Photo                      9

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<b><u>None of the Above</u></b>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<b><u>National Forests</u></b>
Nature trails	Stairs/walkway	No trespass sign	Fence
<b><u>Steep slopes</u></b>	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	<b><u>Fire pit/ring</u></b> <b><u>picture 7</u></b>
NPDES Discharge	Fishing Tackle	Other:	

WBID # 737 Site # 4  
 Mark # 79 Dissolved Oxygen (ppm) 8.7  
 Upstream Views Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? no

Select one of the following channel features:

	% of Channel Feature				
Riffle	9				
Run					
Pool	91				

Downstream View's Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? no


Substrate:

18% Cobble	36% Gravel	14% Sand	9% Silt
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% Mud/Clay	23% Bedrock
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**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

grasses along banks, 10% algae bloom in stream.

**Water Characteristics**

Odor	Sewage	<u>Musky</u>	Chemical	None	Other
Color	Clear	<u>Green</u>	Gray	Milky	<u>Other</u> <u>Brown</u>
Bottom Deposit	Sludge	Solids	<u>Fine Sed.</u>	None	Other
Surface Deposit	Oil	<u>Scum</u>	Foam	None	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 737

DNR added "4" Mark # 79

WBID # 737

	Depth (m)
<b>Transect 1</b>	0.10
Substrate:	0.35
gravelly bedrock	0.45
Water Clarity:	0.50
clear	0.45
Channel Feature:	0.55
pool	0.65
Channel Width:	0.60
18 yards	0.40
<b>0.45</b>	0.10
<b>Transect 2</b>	0.10
Substrate:	0.40
sand	0.60
Water Clarity:	0.45
murky	0.40
Channel Feature:	0.30
pool	0.20
Channel Width:	0.25
23 yards	0.20
<b>0.28</b>	0.05
<b>Transect 3</b>	0.15
Substrate:	0.10
cobbly gravel	0.15
Water Clarity:	0.20
clear	0.25
Channel Feature:	0.30
pool	0.15
Channel Width:	0.15
19 yards	0.15
<b>0.15</b>	0.05
<b>Transect 4</b>	0.50
Substrate:	0.50
silty sand	0.50
Water Clarity:	0.60
murky	0.85
Channel Feature:	0.70
pool	0.55
Channel Width:	0.50
17 yards	0.40
<b>0.50</b>	0.30

	Depth (m)
<b>Transect 5</b>	0.05
Substrate:	0.30
silty gravel	0.45
Water Clarity:	0.45
murky	0.70
Channel Feature:	0.75
pool	0.60
Channel Width:	0.50
23 yards	0.50
<b>0.48</b>	0.25
<b>Transect 6</b>	0.35
Substrate:	0.60
gravelly bedrock	0.80
Water Clarity:	0.70
murky	0.65
Channel Feature:	0.50
pool	0.35
Channel Width:	0.20
20 yards	0.25
<b>0.43</b>	0.10
<b>Transect 7</b>	0.05
Substrate:	0.20
gravelly bedrock	0.40
Water Clarity:	0.55
murky	0.70
Channel Feature:	0.75
pool	0.60
Channel Width:	0.60
24 yards	0.45
<b>0.50</b>	0.30
<b>Transect 8</b>	0.05
Substrate:	0.10
gravelly bedrock	0.25
Water Clarity:	0.40
murky	0.55
Channel Feature:	0.65
pool	0.75
Channel Width:	0.75
15 yards	0.65
<b>0.48</b>	0.30

	Depth (m)
<b>Transect 9</b>	0.05
Substrate:	0.25
gravelly bedrock	0.35
Water Clarity:	0.35
murky	0.35
Channel Feature:	0.40
pool	0.50
17 yards	0.70
	0.85
<b>0.38</b>	0.70
<b>Transect 10</b>	0.00
Substrate:	0.00
gravelly bedrock	0.05
Water Clarity:	0.05
clear	0.10
Channel Feature:	0.15
pool	0.15
Channel Width:	0.05
8 yards	0.00
<b>0.05</b>	0.05
<b>Transect 11</b>	0.00
Substrate:	0.00
cobble	0.00
Water Clarity:	0.00
clear	0.05
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
6 yards	0.00
<b>0.00</b>	0.00

<b>Site Median</b>	<b>Site Maximum</b>
<b>0.35</b>	<b>0.85</b>

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    5

Date and Time:            8.29.07      7:00PM

Current Weather Conditions      cloudy/fair

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      downstream from site #4

GPS Mark:                      80

Upstream Photo                      11                      Downstream Photo                      10

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<b><u>None of the Above</u></b>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<b><u>National Forests</u></b>
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	



**WBID #** 737      **Site #** 5  
**Mark #** 80      **Dissolved Oxygen (ppm)** 6.7  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	91				
Run	0				
Pool	9				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes

If so, is there an obvious current? no


Substrate:

100% Cobble	% Gravel	% Sand	% Silt
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% Mud/Clay	% Bedrock
------------	-----------

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

none

### Water Characteristics

Odor	Sewage	Musky	Chemical	<b><u>None</u></b>	Other
Color	<b><u>Clear</u></b>	<b><u>Green</u></b>	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	Fine Sed.	<b><u>None</u></b>	Other
Surface Deposit	Oil	Scum	Foam	<b><u>None</u></b>	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 5

Mark # 80

WBID # 737

	Depth (m)		Depth (m)		Depth (m)
<b>Transect 1</b>	0.05	<b>Transect 5</b>	0.00	<b>Transect 9</b>	0.00
Substrate:	0.10	Substrate:	0.05	Substrate:	0.00
cobble	0.25	cobble	0.05	cobble	0.00
Water Clarity:	0.35	Water Clarity:	0.10	Water Clarity:	0.00
clear	0.35	clear	0.05	clear	0.00
Channel Feature:	0.40	Channel Feature:	0.05	Channel Feature:	0.00
riffle	0.30	riffle	0.00	riffle	0.00
Channel Width:	0.15	Channel Width:	0.00	Channel Width:	0.00
5 yards	0.05	4 yards	0.00	6 yards	0.00
<b>0.20</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Transect 2</b>	0.00	<b>Transect 6</b>	0.00	<b>Transect 10</b>	0.00
Substrate:	0.05	Substrate:	0.05	Substrate:	0.00
cobble	0.15	cobble	0.10	cobble	0.00
Water Clarity:	0.15	Water Clarity:	0.20	Water Clarity:	0.00
clear	0.15	clear	0.30	clear	0.05
Channel Feature:	0.20	Channel Feature:	0.20	Channel Feature:	0.00
riffle	0.25	riffle	0.20	riffle	0.00
Channel Width:	0.30	Channel Width:	0.15	Channel Width:	0.00
6 yards	0.20	6 yards	0.05	5 yards	0.00
<b>0.15</b>	<b>0.05</b>	<b>0.13</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Transect 3</b>	0.06	<b>Transect 7</b>	0.05	<b>Transect 11</b>	0.00
Substrate:	0.10	Substrate:	0.10	Substrate:	0.05
cobble	0.10	cobble	0.10	cobble	0.10
Water Clarity:	0.25	Water Clarity:	0.05	Water Clarity:	0.20
clear	0.40	clear	0.00	murky	0.35
Channel Feature:	0.40	Channel Feature:	0.00	Channel Feature:	0.40
riffle	0.40	riffle	0.00	pool	0.40
Channel Width:	0.30	Channel Width:	0.00	Channel Width:	0.35
7 yards	0.15	7 yards	0.00	17 yards	0.35
<b>0.20</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.28</b>	<b>0.10</b>
<b>Transect 4</b>	0.00	<b>Transect 8</b>	0.00	<b>Site Median</b>	<b>Site Maximum</b>
Substrate:	0.10	Substrate:	0.05	<b>0.05</b>	<b>0.40</b>
cobble	0.15	cobble	0.00		
Water Clarity:	0.20	Water Clarity:	0.05		
clear	0.25	clear	0.05		
Channel Feature:	0.30	Channel Feature:	0.00		
riffle	0.30	riffle	0.10		
Channel Width:	0.25	Channel Width:	0.10		
7 yards	0.15	7 yards	0.00		
<b>0.18</b>	<b>0.05</b>	<b>0.03</b>	<b>0.00</b>		

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
(must be completed for each site)

WBID 737  
Site # 6

Date and Time: 8.30.07 9:20AM

Current Weather Conditions fair

Weather Conditions for Past 10 days: 0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing) Backbone Rd.

GPS Mark: 81

Upstream Photo 12 Downstream Photo 13

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<u><b>National Forests</b></u>
Nature trails	Stairs/walkway	No trespass sign	Fence
<u><b>Steep slopes</b></u>	None of the Above	Other	

**Indications of Human Use**

Roads	<u><b>Rope swings</b></u>	<u><b>Pic #15</b></u>	<u><b>Foot paths/prints</b></u>	Dock/platform
Livestock Watering	RV/ATV Tracks	<u><b>Camp Sites</b></u>	<u><b>Pic#16</b></u>	Fire pit/ring
NPDES Discharge	Fishing Tackle	<u><b>Other:</b></u>	<u><b>inflatable raft, Pic#14</b></u>	

<b>WBID #</b>	737	<b>Site #</b>	6
<b>Mark #</b>	81	<b>Dissolved Oxygen (ppm)</b>	6.7
<b>Upstream Views</b>	<b>Physical Dimensions:</b>		Is there any water present at this view?      yes

If so, is there an obvious current? no

**Select one of the following channel features:**

### % of Channel Feature

Riffle	27				
Run	0				
Pool	73				

**Downstream View's Physical Dimensions:** Is there any water present at this view?      yes

If so, is there an obvious current? no


Substrate:

22% Cobble	73% Gravel	% Sand	% Silt
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% Mud/Clay	5% Bedrock
------------	------------

**Aquatic Vegetation:** (Note amount of vegetation or algal growth at the assessment site)

vegetation along banks, 20% small willow and algae blooms in stream

## Water Characteristics

Odor                      Sewage    Musky      Chemical    **None**      Other

Color      Clear      **Green**      Gray      Milky      **Other**

Bottom Deposit	Sludge	Solids	Fine Sed.	<b><u>None</u></b>	Other
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Surface Deposit	Oil	Scum	Foam	<b><i>None</i></b>	Other
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**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 6

Mark # 81

WBID # 737

	Depth (m)
<b>Transect 1</b>	0.00
Substrate:	0.05
gravel	0.05
Water Clarity:	0.05
clear	0.05
Channel Feature:	0.00
pool	0.05
Channel Width:	0.00
23 yards	0.15
<b>0.05</b>	<b>0.45</b>
<b>Transect 2</b>	0.00
Substrate:	0.05
gravel	0.05
Water Clarity:	0.10
murky	0.20
Channel Feature:	0.40
pool	0.65
Channel Width:	1.00
17 yards	1.00
<b>0.30</b>	<b>0.45</b>
<b>Transect 3</b>	0.00
Substrate:	0.05
gravel	0.15
Water Clarity:	0.30
murky	0.45
Channel Feature:	0.55
pool	0.30
Channel Width:	0.40
13 yards	0.40
<b>0.33</b>	<b>0.35</b>
<b>Transect 4</b>	0.00
Substrate:	0.05
gravel	0.10
Water Clarity:	0.15
murky	0.10
Channel Feature:	0.05
riffle	0.10
Channel Width:	0.20
13 yards	0.30
<b>0.10</b>	<b>0.10</b>

	Depth (m)
<b>Transect 5</b>	0.00
Substrate:	0.20
gravel	0.25
Water Clarity:	0.40
murky	1.00
Channel Feature:	1.00
pool	1.00
Channel Width:	1.00
10 yards	1.00
<b>1.00</b>	<b>1.00</b>
<b>Transect 6</b>	0.00
Substrate:	0.10
gravelly bedrock	0.25
Water Clarity:	0.40
murky	0.70
Channel Feature:	0.90
pool	0.85
Channel Width:	0.70
10 yards	0.60
<b>0.50</b>	<b>0.25</b>
<b>Transect 7</b>	0.10
Substrate:	0.00
cobbly gravel	0.45
Water Clarity:	0.60
murky	0.50
Channel Feature:	0.50
pool	0.70
Channel Width:	0.70
17 yards	0.10
<b>0.48</b>	<b>0.05</b>
<b>Transect 8</b>	0.05
Substrate:	0.30
cobbly gravel	0.30
Water Clarity:	0.35
murky	0.45
Channel Feature:	0.45
pool	0.35
Channel Width:	0.40
24 yards	0.25
<b>0.33</b>	<b>0.10</b>

	Depth (m)
<b>Transect 9</b>	0.05
Substrate:	0.25
cobbly gravel	0.35
Water Clarity:	0.30
murky	0.30
Channel Feature:	0.30
pool	0.30
Channel Width:	0.25
19 yards	0.25
<b>0.28</b>	<b>0.00</b>
<b>Transect 10</b>	0.00
Substrate:	0.00
cobbly gravel	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
10 yards	0.00
<b>0.00</b>	<b>0.00</b>
<b>Transect 11</b>	0.00
Substrate:	0.00
cobbly gravel&sand	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
10 yards	0.00
<b>0.00</b>	<b>0.00</b>
<b>Site Median</b>	<b>Site Maximum</b>
<b>0.18</b>	<b>1.00</b>

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    7

Date and Time:            8.30.07      10:00AM

Current Weather Conditions      clear

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      downstream from site#6

GPS Mark:                      82

Upstream Photo                      18                      Downstream Photo                      17

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<u><b>National Forests</b></u>
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

WBID # 737 Site # 7  
Mark # 82 Dissolved Oxygen (ppm) 6.7  
Upstream Views Physical Dimensions: Is there any water present at this view? no

If so, is there an obvious current? no

Select one of the following channel features:

	% of Channel Feature				
Riffle	46				
Run	18				
Pool	36				

Downstream View's Physical Dimensions: Is there any water present at this view? yes

If so, is there an obvious current? no


Substrate:

59% Cobble	9% Gravel	14% Sand	% Silt
% Mud/Clay	18% Bedrock		

Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)

80% small willow and algae bloom in stream
--

#### Water Characteristics

Odor	Sewage	Musky	Chemical	<u>None</u>	Other
Color	Clear	<u>Green</u>	Gray	Milky	<u>Other</u> <u>Brown</u>
Bottom Deposit	Sludge	Solids	Fine Sed.	None	Other
Surface Deposit	Oil	<u>Scum</u>	Foam	None	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 7

Mark # 82

WBID # 737

	Depth (m)
<b>Transect 1</b>	0.00
Substrate:	0.00
cobble	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
run	0.00
Channel Width:	0.00
35 yards	0.00
<b>0.00</b>	0.00
<b>Transect 2</b>	0.00
Substrate:	0.00
cobbly gravel	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
27 yards	0.00
<b>0.00</b>	0.00
<b>Transect 3</b>	0.00
Substrate:	0.00
cobbly sand	0.00
Water Clarity:	0.05
murky	0.05
Channel Feature:	0.20
riffle	0.10
Channel Width:	0.15
13 yards	0.15
<b>0.08</b>	0.15
<b>Transect 4</b>	0.00
Substrate:	0.00
cobbly gravel	0.00
Water Clarity:	0.10
clear	0.05
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
8 yards	0.05
<b>0.00</b>	0.05

	Depth (m)
<b>Transect 5</b>	0.00
Substrate:	0.05
cobble	0.05
Water Clarity:	0.05
clear	0.05
Channel Feature:	0.00
riffle	0.10
Channel Width:	0.15
4 yards	0.15
<b>0.05</b>	0.05
<b>Transect 6</b>	0.00
Substrate:	0.00
cobbly sand	0.00
Water Clarity:	0.00
clear	0.05
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
5 yards	0.00
<b>0.00</b>	0.00
<b>Transect 7</b>	0.00
Substrate:	0.00
cobble	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
run	0.00
Channel Width:	0.00
2 yards	0.00
<b>0.00</b>	0.00
<b>Transect 8</b>	0.00
Substrate:	0.20
bedrock	0.30
Water Clarity:	0.30
murky	0.25
Channel Feature:	0.20
pool	0.15
Channel Width:	0.15
6 yards	0.05
<b>0.18</b>	0.00

	Depth (m)
<b>Transect 9</b>	0.05
Substrate:	0.25
cobble	0.30
Water Clarity:	0.10
clear	0.10
Channel Feature:	0.30
pool	0.45
Channel Width:	0.15
10 yards	0.30
<b>0.20</b>	0.10
<b>Transect 10</b>	0.05
Substrate:	0.15
cobbly sand	0.35
Water Clarity:	0.60
murky	0.60
Channel Feature:	0.50
pool	0.35
Channel Width:	0.10
12 yards	0.00
<b>0.25</b>	0.00
<b>Transect 11</b>	0.10
Substrate:	0.50
bedrock	0.65
Water Clarity:	0.55
murky	0.60
Channel Feature:	0.50
pool	0.35
Channel Width:	0.35
12 yards	0.50
<b>0.50</b>	0.00

<b>Site Median</b>	<b>Site Maximum</b>
<b>0.03</b>	<b>0.65</b>



**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    8

Date and Time:            8.30.07      11:50AM

Current Weather Conditions      cloudy

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      downstream Hwy AB

GPS Mark:                      83

Upstream Photo                      19                      Downstream Photo                      20

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<b><u>None of the Above</u></b>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<b><u>National Forests</u></b>
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

**WBID #** 737      **Site #** 8  
**Mark #** 83      **Dissolved Oxygen (ppm)** 7.2  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	27				
Run	0				
Pool	73				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no


Substrate:

36% Cobble	9% Gravel	5% Sand	18% Silt
% Mud/Clay	32% Bedrock		

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

10% small willow in stream.

### Water Characteristics

Odor	Sewage	Musky	Chemical	None	<u>Other</u>	<u>cattle</u>
Color	Clear	<u>Green</u>	Gray	Milky	<u>Other</u>	<u>brown</u>
Bottom Deposit	Sludge	Solids	Fine Sed.	<u>None</u>	Other	
Surface Deposit	<u>Oil</u>	<u>Scum</u>	Foam	None	Other	

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 8

Mark # 83

WBID # 737

	Depth (m)		Depth (m)		Depth (m)
<b>Transect 1</b>	0.15	<b>Transect 5</b>	0.15	<b>Transect 9</b>	0.00
Substrate:	0.40	Substrate:	0.65	Substrate:	0.05
cobbly silt	0.40	bedrock	0.80	cobble	0.00
Water Clarity:	0.45	Water Clarity:	1.00	Water Clarity:	0.00
murky	0.50	murky	1.00	clear	0.00
Channel Feature:	0.45	Channel Feature:	1.00	Channel Feature:	0.00
riffle	0.65	pool	1.00	riffle	0.15
Channel Width:	0.80	Channel Width:	0.75	Channel Width:	0.15
19 yards	0.65	23 yards	0.70	26 yards	0.05
<b>0.45</b>	0.15	<b>0.78</b>	0.50	<b>0.00</b>	0.00
<b>Transect 2</b>	0.20	<b>Transect 6</b>	0.20	<b>Transect 10</b>	0.10
Substrate:	0.50	Substrate:	0.35	Substrate:	0.00
bedrock	0.60	bedrock	0.70	cobble	0.00
Water Clarity:	0.85	Water Clarity:	1.00	Water Clarity:	0.00
murky	0.95	murky	0.85	clear	0.00
Channel Feature:	0.80	Channel Feature:	0.85	Channel Feature:	0.15
pool	0.70	pool	0.85	riffle	0.05
Channel Width:	0.60	Channel Width:	0.95	Channel Width:	0.00
17 yards	0.55	27 yards	0.50	17 yards	0.00
<b>0.60</b>	0.50	<b>0.78</b>	0.65	<b>0.00</b>	0.00
<b>Transect 3</b>	0.25	<b>Transect 7</b>	0.25	<b>Transect 11</b>	0.15
Substrate:	0.35	Substrate:	0.50	Substrate:	0.30
cobbly silt	0.40	gravelly silt	0.75	cobbly bedrock	0.25
Water Clarity:	0.45	Water Clarity:	0.85	Water Clarity:	0.20
murky	0.35	murky	0.95	clear	0.25
Channel Feature:	0.25	Channel Feature:	1.00	Channel Feature:	0.25
pool	0.20	pool	0.75	pool	0.20
Channel Width:	0.00	Channel Width:	0.70	Channel Width:	0.15
30 yards	0.15	23 yards	0.50	12 yards	0.00
<b>0.25</b>	0.05	<b>0.73</b>	0.20	<b>0.20</b>	0.00
<b>Transect 4</b>	0.15	<b>Transect 8</b>	0.10	<b>Site Median</b>	<b>Site Maximum</b>
Substrate:	0.45	Substrate:	0.20	<b>0.35</b>	<b>1.00</b>
cobbly silt	1.00	gravelly sand	0.30		
Water Clarity:	1.00	Water Clarity:	0.30		
murky	1.00	murky	0.30		
Channel Feature:	1.00	Channel Feature:	0.35		
pool	0.90	pool	0.40		
Channel Width:	0.85	Channel Width:	0.35		
29 yards	0.80	15 yards	0.30		
<b>0.88</b>	0.60	<b>0.30</b>	0.05		

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID 737  
 Site # 9

Date and Time: 8.30.07 12:45PM

Current Weather Conditions cloudy

Weather Conditions for Past 10 days: 0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing) downstream from site#8

GPS Mark: 84

Upstream Photo 22 Downstream Photo 21

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	National Forests
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	<u><b>None of the Above</b></u>	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

**WBID #** 737      **Site #** 9  
**Mark #** 84      **Dissolved Oxygen (ppm)** 8.1  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	27				
Run	37				
Pool	36				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no


Substrate:

27% Cobble	% Gravel	% Sand	% Silt
% Mud/Clay	73% Bedrock		

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

none

### Water Characteristics

Odor	Sewage	Musky	Chemical	<u><b>None</b></u>	Other
Color	Clear	<u><b>Green</b></u>	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	Fine Sed.	<u><b>None</b></u>	Other
Surface Deposit	Oil	Scum	Foam	<u><b>None</b></u>	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 9

Mark # 84

WBID # 737

	Depth (m)
<b>Transect 1</b>	0.00
Substrate:	0.00
cobbly bedrock	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
run	0.00
Channel Width:	0.00
9 yards	0.00
<b>0.00</b>	0.00
<b>Transect 2</b>	0.00
Substrate:	0.00
cobbly bedrock	0.00
Water Clarity:	0.00
N/A	0.00
Channel Feature:	0.00
run	0.00
Channel Width:	0.00
12 yards	0.00
<b>0.00</b>	0.00
<b>Transect 3</b>	0.00
Substrate:	0.05
cobbly bedrock	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
10 yards	0.00
<b>0.00</b>	0.00
<b>Transect 4</b>	0.10
Substrate:	0.20
bedrock	0.20
Water Clarity:	0.20
clear	0.05
Channel Feature:	0.10
pool	0.05
Channel Width:	0.00
7 yards	0.00
<b>0.08</b>	0.00

	Depth (m)
<b>Transect 5</b>	0.00
Substrate:	0.00
cobbly bedrock	0.00
Water Clarity:	0.00
clear	0.10
Channel Feature:	0.05
pool	0.15
Channel Width:	0.05
8 yards	0.00
<b>0.00</b>	0.00
<b>Transect 6</b>	0.00
Substrate:	0.05
bedrock	0.10
Water Clarity:	0.05
clear	0.15
Channel Feature:	0.10
riffle	0.20
Channel Width:	0.20
4 yards	0.05
<b>0.08</b>	0.00
<b>Transect 7</b>	0.00
Substrate:	0.00
bedrock	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
run	0.00
Channel Width:	0.05
5 yards	0.00
<b>0.00</b>	0.00
<b>Transect 8</b>	0.00
Substrate:	0.00
bedrock	0.00
Water Clarity:	0.05
clear	0.00
Channel Feature:	0.10
riffle	0.10
Channel Width:	0.00
6 yards	0.05
<b>0.00</b>	0.00

	Depth (m)
<b>Transect 9</b>	0.00
Substrate:	0.00
bedrock	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
run	0.00
Channel Width:	0.00
5 yards	0.05
<b>0.00</b>	0.00
<b>Transect 10</b>	0.00
Substrate:	0.10
cobbly bedrock	0.10
Water Clarity:	0.15
clear	0.15
Channel Feature:	0.15
pool	0.15
Channel Width:	0.00
6 yards	0.05
<b>0.10</b>	0.00
<b>Transect 11</b>	0.05
Substrate:	0.10
cobbly bedrock	0.15
Water Clarity:	0.20
clear	0.10
Channel Feature:	0.15
pool	0.10
Channel Width:	0.15
6 yards	0.15
<b>0.15</b>	0.15
<b>Site Median</b>	<b>Site Maximum</b>
<b>0.00</b>	<b>0.20</b>

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    10

Date and Time:            8.30.07      2:15PM

Current Weather Conditions      partly cloudy

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      upstream site #8

GPS Mark:                      118

Upstream Photo                      24                      Downstream Photo                      23

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<u><b>National Forests</b></u>
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

<b>WBID #</b>	737	<b>Site #</b>	10
<b>Mark #</b>	118	<b>Dissolved Oxygen (ppm)</b>	7.5
<b>Upstream Views</b>	<b>Physical Dimensions:</b>	Is there any water present at this view?	yes

If so, is there an obvious current? no

**Select one of the following channel features:**

% of Channel Feature

Riffle	45				
Run					
Pool	55				

**Downstream View's Physical Dimensions:** Is there any water present at this view?      yes

If so, is there an obvious current? no


Substrate:

54% Cobble	14% Gravel	% Sand	5% Silt
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% Mud/Clay	27% Bedrock
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**Aquatic Vegetation:** (Note amount of vegetation or algal growth at the assessment site)

20% small willow in stream

## Water Characteristics

Odor	Sewage	Musky	Chemical	<u><b>None</b></u>	Other	
Color	Clear	<u><b>Green</b></u>	Gray	Milky	<u><b>Other</b></u>	<u><b>murky</b></u>
Bottom Deposit	Sludge	Solids	<u><b>Fine Sed.</b></u>	None	Other	
Surface Deposit	<u><b>Oil</b></u>	<u><b>Scum</b></u>	Foam	None	Other	



**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 10

Mark # 118

WBID # 737

	Depth (m)		Depth (m)		Depth (m)
<b>Transect 1</b>	0.05	<b>Transect 5</b>	0.00	<b>Transect 9</b>	0.00
Substrate:	0.15	Substrate:	0.05	Substrate:	0.00
cobble	0.10	cobbly bedrock	0.05	cobbly gravel	0.00
Water Clarity:	0.00	Water Clarity:	0.10	Water Clarity:	0.00
clear	0.00	murky	0.15	N/A	0.00
Channel Feature:	0.00	Channel Feature:	0.20	Channel Feature:	0.00
pool	0.00	riffle	0.25	riffle	0.00
Channel Width:	0.00	Channel Width:	0.30	Channel Width:	0.00
27 yards	0.00	17 yards	0.35	9 yards	0.00
<b>0.00</b>	0.00	<b>0.18</b>	0.40	<b>0.00</b>	0.00
<b>Transect 2</b>	0.20	<b>Transect 6</b>	0.25	<b>Transect 10</b>	0.35
Substrate:	0.40	Substrate:	0.20	Substrate:	0.50
cobbly bedrock	0.45	cobbly bedrock	0.20	cobbly gravel	0.55
Water Clarity:	0.55	Water Clarity:	0.15	Water Clarity:	0.65
murky	0.50	murky	0.15	murky	0.50
Channel Feature:	0.55	Channel Feature:	0.15	Channel Feature:	0.30
pool	0.40	riffle	0.10	pool	0.15
Channel Width:	0.40	Channel Width:	0.05	Channel Width:	0.15
29 yards	0.30	22 yards	0.00	13 yards	0.10
<b>0.40</b>	0.10	<b>0.15</b>	0.00	<b>0.33</b>	0.00
<b>Transect 3</b>	0.15	<b>Transect 7</b>	0.10	<b>Transect 11</b>	0.15
Substrate:	0.25	Substrate:	0.10	Substrate:	0.35
cobbly bedrock	0.40	cobbly bedrock	0.10	cobbly silt	0.50
Water Clarity:	0.35	Water Clarity:	0.10	Water Clarity:	0.60
murky	0.45	murky	0.10	clear	0.70
Channel Feature:	0.40	Channel Feature:	0.20	Channel Feature:	0.70
pool	0.35	riffle	0.15	pool	0.55
Channel Width:	0.30	Channel Width:	0.10	Channel Width:	0.40
13 yards	0.05	9 yards	0.05	15 yards	0.25
<b>0.33</b>	0.00	<b>0.10</b>	0.00	<b>0.45</b>	0.10
<b>Transect 4</b>	0.10	<b>Transect 8</b>	0.00	<b>Site Median</b>	<b>Site Maximum</b>
Substrate:	0.20	Substrate:	0.00	<b>0.15</b>	<b>0.70</b>
cobbly bedrock	0.30	cobbly gravel	0.00		
Water Clarity:	0.35	Water Clarity:	0.00		
murky	0.35	N/A	0.00		
Channel Feature:	0.35	Channel Feature:	0.00		
pool	0.30	riffle	0.00		
Channel Width:	0.30	Channel Width:	0.00		
17 yards	0.25	6 yards	0.00		
<b>0.30</b>	0.05	<b>0.00</b>	0.00		

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    11

Date and Time:            8.30.07      4:30PM

Current Weather Conditions      fair

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      downstream from Hwy WW

GPS Mark:                      119

Upstream Photo                      26                      Downstream Photo                      25

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<u><b>National Forests</b></u>
Nature trails	Stairs/walkway	<u><b>No trespass sign</b></u>	<u><b>Fence</b></u>
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

<b>WBID #</b>	737	<b>Site #</b>	11
<b>Mark #</b>	119	<b>Dissolved Oxygen (ppm)</b>	5.3
<b>Upstream Views</b>	<b>Physical Dimensions:</b> Is there any water present at this view? yes		

If so, is there an obvious current? no

**Select one of the following channel features:**

% of Channel Feature

	36				
Riffle					
Run					
Pool	64				

**Downstream View's Physical Dimensions:** Is there any water present at this view?      yes

If so, is there an obvious current? no


Substrate:

27% Cobble	68% Gravel	5% Sand	% Silt
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% Mud/Clay	% Bedrock
------------	-----------

**Aquatic Vegetation:** (Note amount of vegetation or algal growth at the assessment site)

none

## Water Characteristics

Odor                      Sewage    Musky      Chemical    **None**      Other

Color      Clear      **Green**      Gray      Milky      **Other**

Bottom Deposit	Sludge	Solids	Fine Sed.	<b>None</b>	Other
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Surface Deposit	Oil	<b>Scum</b>	Foam	None	Other
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**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 11

Mark # 119

WBID # 737

	Depth (m)		Depth (m)		Depth (m)
<b>Transect 1</b>	0.05	<b>Transect 5</b>	0.00	<b>Transect 9</b>	0.05
Substrate:	0.15	Substrate:	0.10	Substrate:	0.25
gravelly cobble	0.15	gravel	0.15	cobbly gravel	0.20
Water Clarity:	0.20	Water Clarity:	0.15	Water Clarity:	0.10
murky	0.25	murky	0.15	clear	0.00
Channel Feature:	0.30	Channel Feature:	0.25	Channel Feature:	0.00
pool	0.30	pool	0.20	riffle	0.00
Channel Width:	0.25	Channel Width:	0.15	Channel Width:	0.00
13 yards	0.20	8 yards	0.10	7 yards	0.00
<b>0.20</b>	0.05	<b>0.15</b>	0.05	<b>0.00</b>	0.00
<b>Transect 2</b>	0.00	<b>Transect 6</b>	0.00	<b>Transect 10</b>	0.05
Substrate:	0.15	Substrate:	0.20	Substrate:	0.00
gravelly cobble	0.10	cobbly gravel	0.30	gravelly sand	0.10
Water Clarity:	0.10	Water Clarity:	0.25	Water Clarity:	0.25
murky	0.10	clear	0.20	murky	0.30
Channel Feature:	0.10	Channel Feature:	0.15	Channel Feature:	0.20
pool	0.10	pool	0.20	pool	0.10
Channel Width:	0.05	Channel Width:	0.15	Channel Width:	0.05
16 yards	0.10	12 yards	0.15	15 yards	0.00
<b>0.10</b>	0.05	<b>0.18</b>	0.10	<b>0.08</b>	0.00
<b>Transect 3</b>	0.00	<b>Transect 7</b>	0.00	<b>Transect 11</b>	0.00
Substrate:	0.10	Substrate:	0.00	Substrate:	0.00
gravel	0.10	cobbly gravel	0.00	gravel	0.00
Water Clarity:	0.15	Water Clarity:	0.05	Water Clarity:	0.00
murky	0.25	clear	0.00	clear	0.00
Channel Feature:	0.50	Channel Feature:	0.00	Channel Feature:	0.00
pool	0.55	riffle	0.00	riffle	0.05
Channel Width:	0.55	Channel Width:	0.00	Channel Width:	0.10
16 yards	0.45	17 yards	0.00	10 yards	0.10
<b>0.20</b>	0.15	<b>0.00</b>	0.00	<b>0.00</b>	0.05
<b>Transect 4</b>	0.05	<b>Transect 8</b>	0.10	<b>Site Median</b>	<b>Site Maximum</b>
Substrate:	0.10	Substrate:	0.25	<b>0.10</b>	<b>0.55</b>
gravel	0.30	cobbly gravel	0.15		
Water Clarity:	0.45	Water Clarity:	0.00		
murky	0.40	clear	0.00		
Channel Feature:	0.30	Channel Feature:	0.00		
pool	0.35	riffle	0.00		
Channel Width:	0.35	Channel Width:	0.00		
16 yards	0.45	10 yards	0.00		
<b>0.33</b>	0.15	<b>0.00</b>	0.00		

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                    737  
 Site #                 12

Date and Time:        8.30.07                5:30

Current Weather Conditions        fair

Weather Conditions for Past 10 days:        0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)        upstream from Hwy WW

GPS Mark:                120

Upstream Photo                27                Downstream Photo                28

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	National Forests
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	<u><b>None of the Above</b></u>	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

**WBID #** 737      **Site #** 12  
**Mark #** 120      **Dissolved Oxygen (ppm)** 8.6  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	36				
Run					
Pool	64				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no


Substrate:

50% Cobble	9% Gravel	5% Sand	9% Silt
% Mud/Clay	27% Bedrock		

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

none

### Water Characteristics

Odor	Sewage	Musky	Chemical	<u><b>None</b></u>	Other
Color	Clear	<u><b>Green</b></u>	Gray	Milky	<u><b>Other</b></u> <u><b>murky</b></u>
Bottom Deposit	Sludge	Solids	Fine Sed.	None	Other
Surface Deposit	Oil	<u><b>Scum</b></u>	Foam	None	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 12

Mark # 120

WBID # 737

	Depth (m)
<b>Transect 1</b>	0.00
Substrate:	0.05
cobble	0.05
Water Clarity:	0.10
clear	0.15
Channel Feature:	0.15
riffle	0.10
Channel Width:	0.05
4 yards	0.05
<b>0.05</b>	0.00
<b>Transect 2</b>	0.00
Substrate:	0.05
cobble	0.10
Water Clarity:	0.15
clear	0.25
Channel Feature:	0.30
riffle	0.30
Channel Width:	0.20
4 yards	0.15
<b>0.15</b>	0.05
<b>Transect 3</b>	0.00
Substrate:	0.00
cobbly gravel	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
4 yards	0.05
<b>0.00</b>	0.00
<b>Transect 4</b>	0.05
Substrate:	0.20
cobbly gravel	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.10
riffle	0.25
Channel Width:	0.30
27 yards	0.20
<b>0.10</b>	0.10

	Depth (m)
<b>Transect 5</b>	0.40
Substrate:	0.75
cobbly silt	0.80
Water Clarity:	0.85
murky	0.80
Channel Feature:	0.75
pool	0.70
Channel Width:	0.55
21 yards	0.30
<b>0.73</b>	0.05
<b>Transect 6</b>	0.05
Substrate:	0.30
cobbly silt	0.65
Water Clarity:	0.85
murky	0.95
Channel Feature:	0.95
pool	1.00
Channel Width:	1.00
17 yards	0.60
<b>0.75</b>	0.45
<b>Transect 7</b>	0.15
Substrate:	0.50
bedrock	0.85
Water Clarity:	1.00
murky	1.00
Channel Feature:	1.00
pool	1.00
Channel Width:	1.00
15 yards	1.00
<b>1.00</b>	1.00
<b>Transect 8</b>	0.10
Substrate:	0.55
bedrock	0.80
Water Clarity:	0.85
murky	0.85
Channel Feature:	0.80
pool	0.85
Channel Width:	0.85
15 yards	0.65
<b>0.80</b>	0.50

	Depth (m)
<b>Transect 9</b>	0.05
Substrate:	0.45
cobbly bedrock	0.60
Water Clarity:	0.80
murky	0.80
Channel Feature:	0.80
pool	0.75
Channel Width:	0.65
23 yards	0.55
<b>0.63</b>	0.20
<b>Transect 10</b>	0.30
Substrate:	0.65
cobbly bedrock	0.75
Water Clarity:	0.75
murky	0.80
Channel Feature:	0.70
pool	0.70
Channel Width:	0.65
22 yards	0.70
<b>0.70</b>	0.20
<b>Transect 11</b>	0.35
Substrate:	0.75
cobbly sand	0.80
Water Clarity:	0.80
murky	0.70
Channel Feature:	0.75
pool	0.75
Channel Width:	0.75
22 yards	0.70
<b>0.75</b>	0.45
<b>Site Median</b>	<b>Site Maximum</b>
<b>0.48</b>	<b>1.00</b>

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID                      737  
 Site #                    13

Date and Time:            8.30.07      6:20PM

Current Weather Conditions      fair

Weather Conditions for Past 10 days:      0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing)      upstream site #11

GPS Mark:                      121

Upstream Photo                      29                      Downstream Photo                      30

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	Urban areas
Campgrounds	Boating accesses	State parks	<u><b>National Forests</b></u>
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	None of the Above	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	



<b>WBID #</b>	737	<b>Site #</b>	13
<b>Mark #</b>	121	<b>Dissolved Oxygen (ppm)</b>	7.8
<b>Upstream Views</b>	<b>Physical Dimensions:</b> Is there any water present at this view? yes		

If so, is there an obvious current? no

**Select one of the following channel features:**

% of Channel Feature

	% of Children's Culture				
Riffle	27				
Run	0				
Pool	63				

**Downstream View's Physical Dimensions:** Is there any water present at this view?      yes

If so, is there an obvious current? no


Substrate:

23% Cobble	50% Gravel	27% Sand	% Silt
------------	------------	----------	--------

% Mud/Clay	% Bedrock
------------	-----------

**Aquatic Vegetation:** (Note amount of vegetation or algal growth at the assessment site)

none

## Water Characteristics

Odor	Sewage	Musky	Chemical	<b><u>None</u></b>	Other
Color	Clear	<b><u>Green</u></b>	Gray	Milky	Other
Bottom Deposit	Sludge	Solids	Fine Sed.	<b><u>None</u></b>	Other
Surface Deposit	Oil	Scum	Foam	<b><u>None</u></b>	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 13

Mark # 121

WBID # 737

	Depth (m)		Depth (m)		Depth (m)
<b>Transect 1</b>	0.05	<b>Transect 5</b>	0.05	<b>Transect 9</b>	0.00
Substrate:	0.30	Substrate:	0.10	Substrate:	0.05
sandy gravel	0.55	cobbly gravel	0.15	gravelly sand	0.10
Water Clarity:	0.45	Water Clarity:	0.15	Water Clarity:	0.20
clear	0.05	clear	0.15	clear	0.15
Channel Feature:	0.00	Channel Feature:	0.15	Channel Feature:	0.20
pool	0.05	pool	0.15	riffle	0.20
Channel Width:	0.15	Channel Width:	0.15	Channel Width:	0.15
8 yards	0.20	5 yards	0.10	5 yards	0.10
<b>0.13</b>	0.10	<b>0.15</b>	0.00	<b>0.13</b>	0.05
<b>Transect 2</b>	0.05	<b>Transect 6</b>	0.05	<b>Transect 10</b>	0.00
Substrate:	0.10	Substrate:	0.05	Substrate:	0.05
cobbly gravel	0.15	cobbly gravel	0.15	sandy gravel	0.10
Water Clarity:	0.15	Water Clarity:	0.15	Water Clarity:	0.10
clear	0.15	clear	0.10	clear	0.10
Channel Feature:	0.20	Channel Feature:	0.20	Channel Feature:	0.15
pool	0.25	pool	0.25	pool	0.15
Channel Width:	0.20	Channel Width:	0.20	Channel Width:	0.15
9 yards	0.25	8 yards	0.15	5 yards	0.15
<b>0.18</b>	0.20	<b>0.15</b>	0.05	<b>0.10</b>	0.10
<b>Transect 3</b>	0.00	<b>Transect 7</b>	0.10	<b>Transect 11</b>	0.00
Substrate:	0.00	Substrate:	0.45	Substrate:	0.05
cobbly gravel	0.00	gravelly sand	0.60	sandy gravel	0.10
Water Clarity:	0.05	Water Clarity:	0.70	Water Clarity:	0.15
clear	0.05	clear	0.65	clear	0.25
Channel Feature:	0.05	Channel Feature:	0.55	Channel Feature:	0.30
pool	0.05	pool	0.35	riffle	0.35
Channel Width:	0.00	Channel Width:	0.25	Channel Width:	0.25
2 yards	0.05	6 yards	0.15	6 yards	0.10
<b>0.03</b>	0.00	<b>0.40</b>	0.05	<b>0.13</b>	0.10
<b>Transect 4</b>	0.05	<b>Transect 8</b>	0.00	<b>Site Median</b>	<b>Site Maximum</b>
Substrate:	0.10	Substrate:	0.10	<b>0.10</b>	<b>0.70</b>
cobbly gravel	0.05	gravelly sand	0.15		
Water Clarity:	0.00	Water Clarity:	0.25		
clear	0.00	clear	0.30		
Channel Feature:	0.00	Channel Feature:	0.35		
pool	0.00	pool	0.30		
Channel Width:	0.00	Channel Width:	0.20		
13 yards	0.05	6 yards	0.10		
<b>0.00</b>	0.00	<b>0.18</b>	0.05		

**Field Data Sheets for Recreational Use Stream Surveys**  
**Data Sheet B - Site Characterization**  
**(must be completed for each site)**

WBID 737  
 Site # 14

Date and Time: 8.30.07 7:34PM

Current Weather Conditions fair

Weather Conditions for Past 10 days: 0.88 in. max precipitation

Drought Conditions? No

Site Location (e.g. road crossing) I-70

GPS Mark: 122

Upstream Photo 32 Downstream Photo 31

**Uses Observed (Uses actually observed at time of survey) Circle**

Swimming	Skin Diving	SCUBA diving	Tubing
Water Skiing	Wind Surfing	Kayaking	Boating
Wading	Rafting	Hunting	Trapping
Fishing	<u><b>None of the Above</b></u>	Other	

**Surrounding Conditions**

City/county parks	Playgrounds	MDC conservation lands	<u><b>Urban areas</b></u>
Campgrounds	Boating accesses	State parks	National Forests
Nature trails	Stairs/walkway	No trespass sign	Fence
Steep slopes	<u><b>None of the Above</b></u>	Other	

**Indications of Human Use**

Roads	Rope swings	Foot paths/prints	Dock/platform
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/ring
NPDES Discharge	Fishing Tackle	Other:	

**WBID #** 737      **Site #** 14  
**Mark #** 122      **Dissolved Oxygen (ppm)** 6.4  
**Upstream Views Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no

**Select one of the following channel features:**

	% of Channel Feature				
Riffle	64				
Run	9				
Pool	27				

**Downstream View's Physical Dimensions:** Is there any water present at this view? yes  
 If so, is there an obvious current? no


Substrate:

27% Cobble	32% Gravel	23% Sand	18% Silt
% Mud/Clay	% Bedrock		

**Aquatic Vegetation: (Note amount of vegetation or algal growth at the assessment site)**

none

### Water Characteristics

Odor	Sewage	Musky	Chemical	<u><b>None</b></u>	Other
Color	Clear	<u><b>Green</b></u>	Gray	Milky	<u><b>Other</b></u>
Bottom Deposit	Sludge	Solids	Fine Sed.	<u><b>None</b></u>	Other
Surface Deposit	Oil	Scum	Foam	<u><b>None</b></u>	Other

**Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth)**  
**(Median Depth Shown in Bold)**

Site # 14

Mark # 122

WBID # 737

	Depth (m)		Depth (m)		Depth (m)
<b>Transect 1</b>	0.15	<b>Transect 5</b>	0.20	<b>Transect 9</b>	0.00
Substrate:	0.25	Substrate:	0.20	Substrate:	0.30
cobble	0.30	silty sand	0.40	gravel	0.50
Water Clarity:	0.35	Water Clarity:	0.55	Water Clarity:	0.65
murky	0.50	murky	0.65	murky	0.65
Channel Feature:	0.35	Channel Feature:	0.75	Channel Feature:	0.60
run	0.35	pool	0.80	rifle	0.60
Channel Width:	0.15	Channel Width:	0.80	Channel Width:	0.30
6 yards	0.10	22 yards	0.70	8 yards	0.10
<b>0.28</b>	0.10	<b>0.68</b>	1.00	<b>0.40</b>	0.05
<b>Transect 2</b>	0.15	<b>Transect 6</b>	1.00	<b>Transect 10</b>	0.05
Substrate:	0.30	Substrate:	1.00	Substrate:	0.40
cobbly silt	0.60	silty sand	1.00	gravel	0.55
Water Clarity:	1.00	Water Clarity:	1.00	Water Clarity:	0.60
murky	1.00	murky	1.00	murky	0.80
Channel Feature:	1.00	Channel Feature:	1.00	Channel Feature:	1.00
pool	1.00	pool	0.75	rifle	1.00
Channel Width:	1.00	Channel Width:	0.35	Channel Width:	1.00
13 yards	1.00	23 yards	0.50	15 yards	1.00
<b>1.00</b>	1.00	<b>1.00</b>	0.45	<b>0.90</b>	1.00
<b>Transect 3</b>	0.05	<b>Transect 7</b>	0.00	<b>Transect 11</b>	0.05
Substrate:	0.20	Substrate:	0.10	Substrate:	0.30
sandy gravel	0.30	cobbly gravel	0.10	sandy gravel	0.60
Water Clarity:	0.90	Water Clarity:	0.10	Water Clarity:	0.80
murky	1.00	murky	0.10	murky	0.95
Channel Feature:	1.00	Channel Feature:	0.25	Channel Feature:	1.00
pool	1.00	pool	0.35	rifle	1.00
Channel Width:	1.00	Channel Width:	0.55	Channel Width:	1.00
15 yards	1.00	8 yards	0.80	12 yards	1.00
<b>1.00</b>	1.00	<b>0.18</b>	1.00	<b>0.98</b>	1.00
<b>Transect 4</b>	0.10	<b>Transect 8</b>	0.00		
Substrate:	0.40	Substrate:	0.15	<b>Site Median</b>	<b>Site Maximum</b>
silty sand	0.50	cobble	0.20	<b>0.60</b>	<b>1.00</b>
Water Clarity:	0.80	Water Clarity:	0.30		
murky	1.00	murky	0.40		
Channel Feature:	1.00	Channel Feature:	0.50		
pool	1.00	pool	0.55		
Channel Width:	1.00	Channel Width:	0.60		
17 yards	1.00	8 yards	0.55		
<b>1.00</b>	1.00	<b>0.40</b>	0.40		

**WBID# 0737**



**Site# 1 Photo ID# 1, Upstream**



**Site# 1 Photo ID# 2, Downstream**



**Site# 2 Photo ID# 4, Upstream**



**Site# 2 Photo ID# 3, Downstream**



**WBID# 0737**



**Site# 3 Photo ID# 5, Upstream**



**Site# 3 Photo ID# 6, Downstream**



**Site# 4 Photo ID# 8, Upstream**



**Site# 4 Photo ID# 9, Downstream**



**WBID# 0737**



**Site# 4 Photo ID# 7, Fire pit**



**Site# 5 Photo ID# 11, Upstream**



**Site# 5 Photo ID# 10, Downstream**



**Site# 6 Photo ID# 12, Upstream**



**WBID# 0737**



**Site# 6 Photo ID# 13, Downstream**



**Site# 6 Photo ID# 15, Rope swings**



**Site# 6 Photo ID# 16, Camp sites**



**Site# 6 Photo ID# 14, Inflatable raft**



**WBID# 0737**



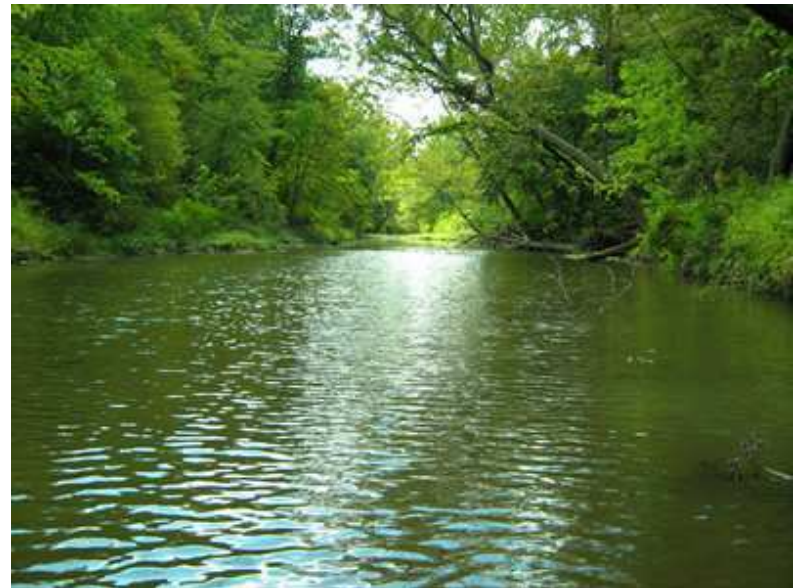
**Site# 7 Photo ID# 18, Upstream**



**Site# 7 Photo ID# 17, Downstream**



**Site# 8 Photo ID# 19, Upstream**



**Site# 8 Photo ID# 20, Downstream**



**WBID# 0737**



**Site# 9 Photo ID# 22, Upstream**



**Site# 9 Photo ID# 21, Downstream**



**Site# 10 Photo ID# 24, Upstream**



**Site# 10 Photo ID# 23, Downstream**



**WBID# 0737**



**Site# 11 Photo ID# 26, Upstream**



**Site# 11 Photo ID# 25, Downstream**



**Site# 12 Photo ID# 27, Upstream**



**Site# 12 Photo ID# 28, Downstream**



**WBID# 0737**



**Site# 13 Photo ID# 29, Upstream**



**Site# 13 Photo ID# 30, Downstream**



**Site# 14 Photo ID# 32, Upstream**



**Site# 14 Photo ID# 31, Downstream**